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APPLICATION NO.	FILING DATE	.FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO. •
10/532,657	04/26/2005	Serge Louis Boulet	X-16024	6306
25885 ELI LILLY & (7590 11/29/200	7 .	EXAMINER	
PATENT DIVISION			SOLOLA, TAOFIQ A	
P.O. BOX 6288 INDIANAPOL	3 IS, IN 46206-6288		ART UNIT	PAPER NUMBER
	10, 11 10200 0200		1625	./
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			NOTIFICATION DATE	DELIVERY MODE
			11/29/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@lilly.com

•		Application No.	Applicant(s)				
		10/532,657	BOULET ET AL.	ř			
	Office Action Summary	Examiner	Art Unit				
		*Taofiq A. Solola	1625				
Period fo	The MAILING DATE of this communication or Reply	n appears on the cover sheet wi	th the correspondence address				
WHIC - Exter after - If NO - Failui Any r	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILIN mislons of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communication period for reply is specified above, the maximum statutory re to reply within the set or extended period for reply will, by reply received by the Office later than three months after the end patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNIC FR 1.136(a). In no event, however, may a roon. period will apply and will expire SIX (6) MON statute, cause the application to become AB	CATION. apply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status							
1)[Responsive to communication(s) filed on	23 October 2007.	·				
		This action is non-final.					
3)	Since this application is in condition for al	llowance except for formal matte	ers, prosecution as to the merits is				
	closed in accordance with the practice un	nder <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.				
Dispositi	on of Claims		•				
4)	Claim(s) <u>6,7,39,53 and 54</u> is/are pending	in the application.	•				
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.						
6)□	Claim(s) <u>6,7,39,53 and 54</u> is/are rejected	, ,	,				
7)	Claim(s) is/are objected to.						
8)□	Claim(s) are subject to restriction a	and/or election requirement.					
Applicati	on Papers		·				
9)□	The specification is objected to by the Exa	aminer.	•				
	The drawing(s) filed on is/are: a)		by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by t	he Examiner. Note the attached	Office Action or form PTO-152.				
Priority u	ınder 35 U.S.C. § 119	•					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some ★ c) None of:							
	1. Certified copies of the priority docu						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
	:	·					
Attachmen	t(s)						
	1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-94	Paper No(s	s)/Mail Date				
	Information Disclosure Statement(s) (PTO/SB/08) Notice of Informal Patent Application						

Application/Control Number: 10/532.657

Art Unit: 1625

Claims, 6-7, 39, 53-54 are pending in this application.

Claims 1-5, 8-38, 40-52 are cancelled.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 6-7, 39, 53-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Robertson et al., US 4,956,388, in views of James, US 5,776,969, Database Beilstein, XP002275395, and King, Med Chem: Principle and Practice (1994), p. 206-208.

Applicant claims compounds of formula I, isomers and their composition as serotonin and norepinephrine reuptake inhibitors.

Determination of the scope and content of the prior art (MPEP 2141.01

Robertson et al., teach similar compounds and their compositions as serotonin and norepinephrine reuptake inhibitors. The compounds include the isomers and racemate. See column 1, lines 30 to column 2, line 56; and the examples in column 3, lines 31-32, 57-60.

Ascertainment of the difference between the prior art and the claims (MPEP 2141.02)

The difference between the instant invention and that of Robertson et al., is that in compounds of Robertson et al., applicant replaced -CH=CH- with -S- in naphthyl (Y) ring. Also, applicant claims propyl or butyl at X.

Finding of prima facie obviousness--rational and motivation (MPEP 2142.2413)

However, James teaches benzothienyl at Y; Beilstein, XP002275395, teaches methyl at X; and King teaches that replacement of -CH=CH- with -S- in a ring is expected to produce

compounds having similar biological activity (bioisosterism). See page 208, ring equivalents. See also, *Ex parte Engelhardt*, 208 USPQ 343 (Bd. Pat. App. & Int., 1980); *In re Merck*, 231 USPQ 375 (Fed. Cir. 1986).

When the difference between compounds is the length of a carbon chain such are adjacent homologs. However, adjacent homologs are prima facie obvious. *In re Henze*, 85 USPQ 261 (1950).

Therefore, the instant invention is prima facie obvious from the teachings of the prior arts. One of ordinary skill in the art would have known to replace -CH=CH- with -S- in a ring or claim adjacent homologs at the time the instant invention was made. The motivation is from knowing that -CH=CH- and -S- are bioisosteres equivalents, and adjacent homologs have similar biological and/or chemical activities.

Alternatively, given the teachings of the prior arts, it would have been obvious to try above substitutions, and claim adjacent homologs at the time the invention was made.

When there is motivation

to solve a problem and there are a finite number of identified, predictable solutions, a person of ordinary skill has good reason to pursue the known options within his or her technical grasp. If this leads to anticipated success, it is likely the product not of innovation but of ordinary skill and common sense. In that instance the fact that a combination was obvious to try might show that it was obvious under [35 USC] 103.

KSR Int'l Co. v. Teleflex Inc., 127 S.Ct 1727,----, 82 USPQ2d 1385, 1397 (2007).

Alternatively, applicant has done nothing more than substitutes known bioisosteres equivalents in the compounds of Robertson et al. However, such substitution is obvious from

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the prior arts. "When a patent claims a structure already known in the prior art that is altered by

the mere substitution of one element for another known in the field, the combination must do

more than yield a predictable result." United States v. Adams, 383 U.S. 49, 50-51 (1966). Cited

in KSR Int. Co. v. Teleflex Inc, 550 U.S. ----, 82 USPQ2d 1385 (2007). The combination of

familiar elements according to known methods is likely to be obvious when it does no more than

yield predictable results." KSR, supra.

Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Taofiq A. Solola, PhD. JD., whose telephone number is (571) 272-0709.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Janet Andres, can be reached on (571) 272-0867. The fax phone number for this

Group is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Group receptionist whose telephone number is (571) 272-1600.

PRIMARY EXAMINER

Group 1625

November 20, 2007